

BAY AREA EXPRESS LANES



WASHTO Annual Meeting
Lisa Klein, Principal
Regional Express Lane Network
August 6 , 2013



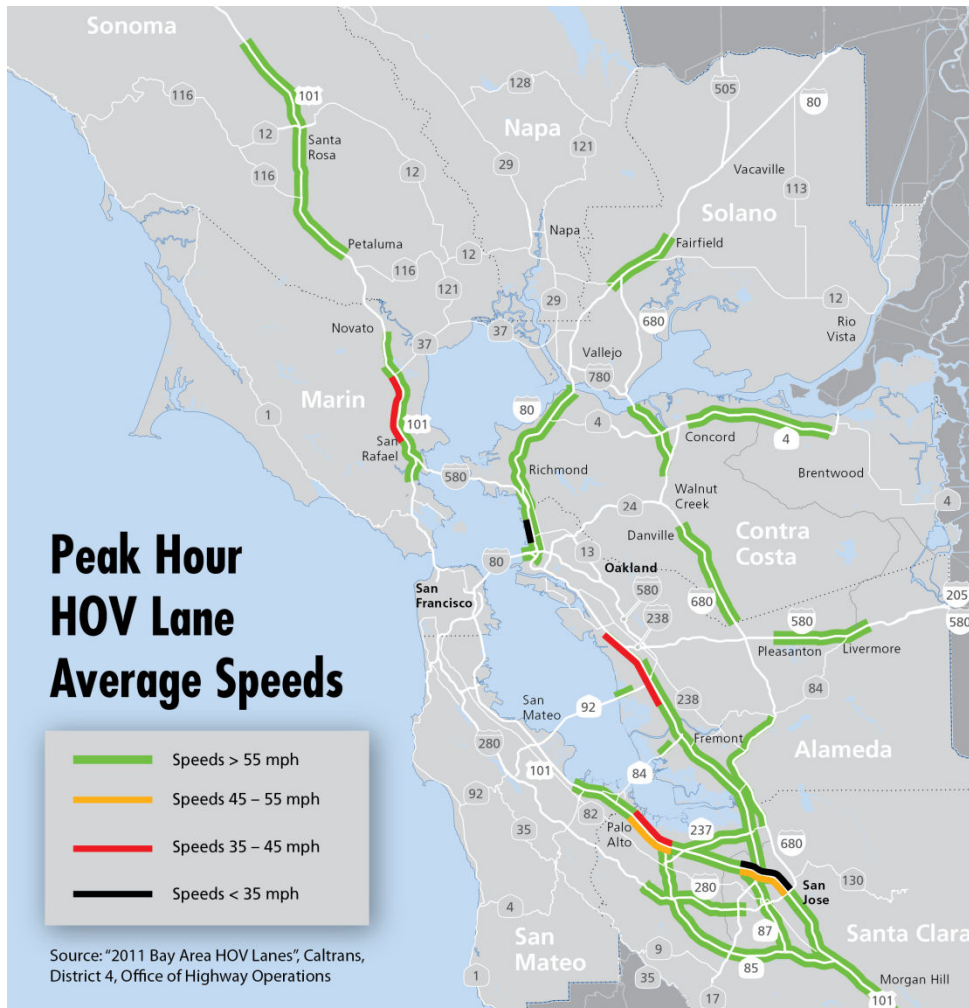
MTC: Three Agencies in One

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Why Express Lanes?

- **Connectivity:** Close gaps within existing HOV lane system to serve carpools and buses
- **Efficiency:** Optimize capacity in Bay Area freeway corridors
- **Reliability:** Provide a reliable, congestion-free transportation option

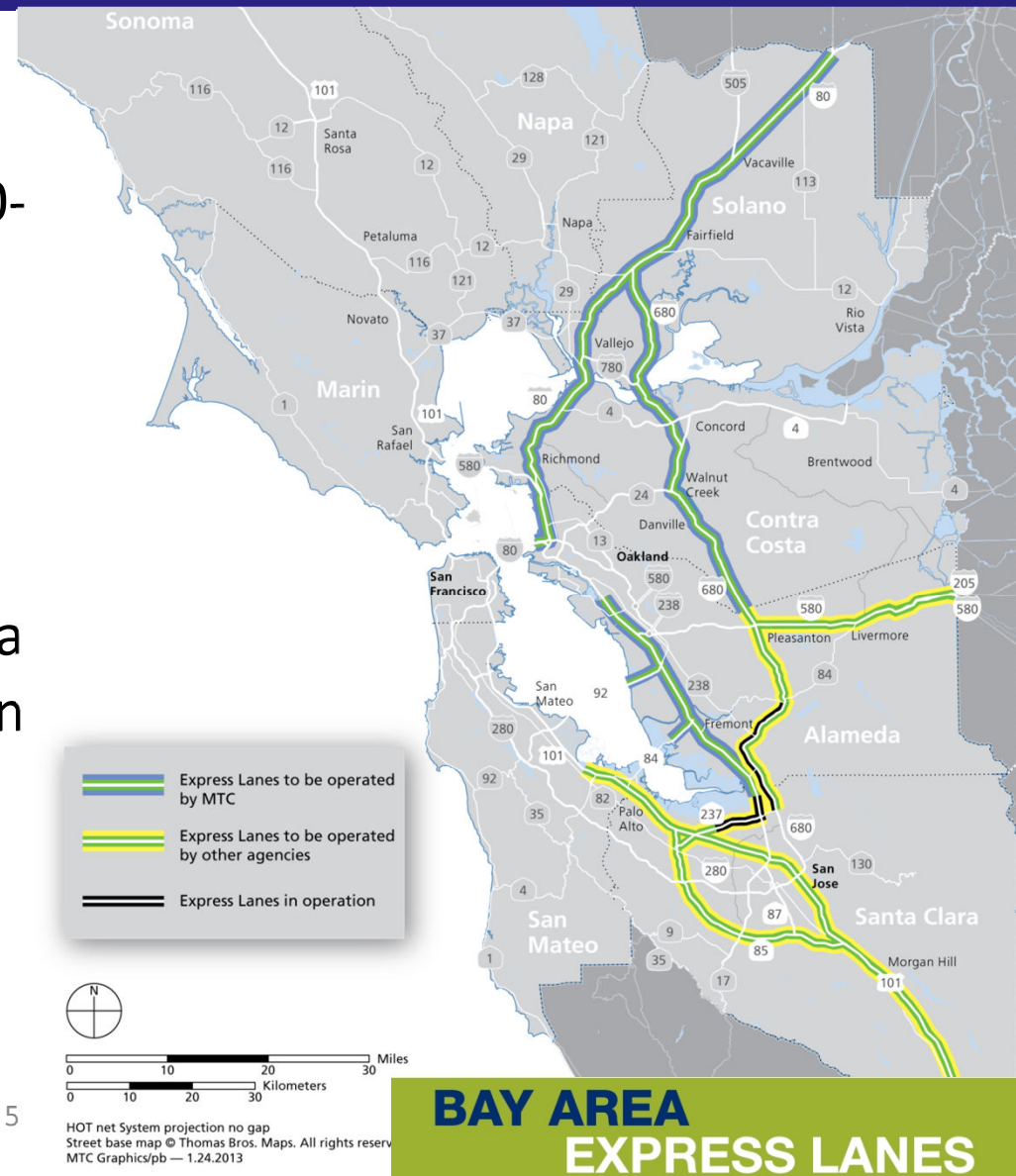
Bay Area Experience



Bay Area Express Lane Network

550 miles total

- MTC authorized to operate 270-mile network (2011)
Delegated in March 2013 to the Bay Area Infrastructure Financing Authority (BAIFA) – a joint powers authority composed of MTC & BATA
- 280 miles in Alameda and Santa Clara Counties are authorized in statute (2004)



Tier 1 Conversions

150 miles of existing HOV lanes will be converted to Express Lanes

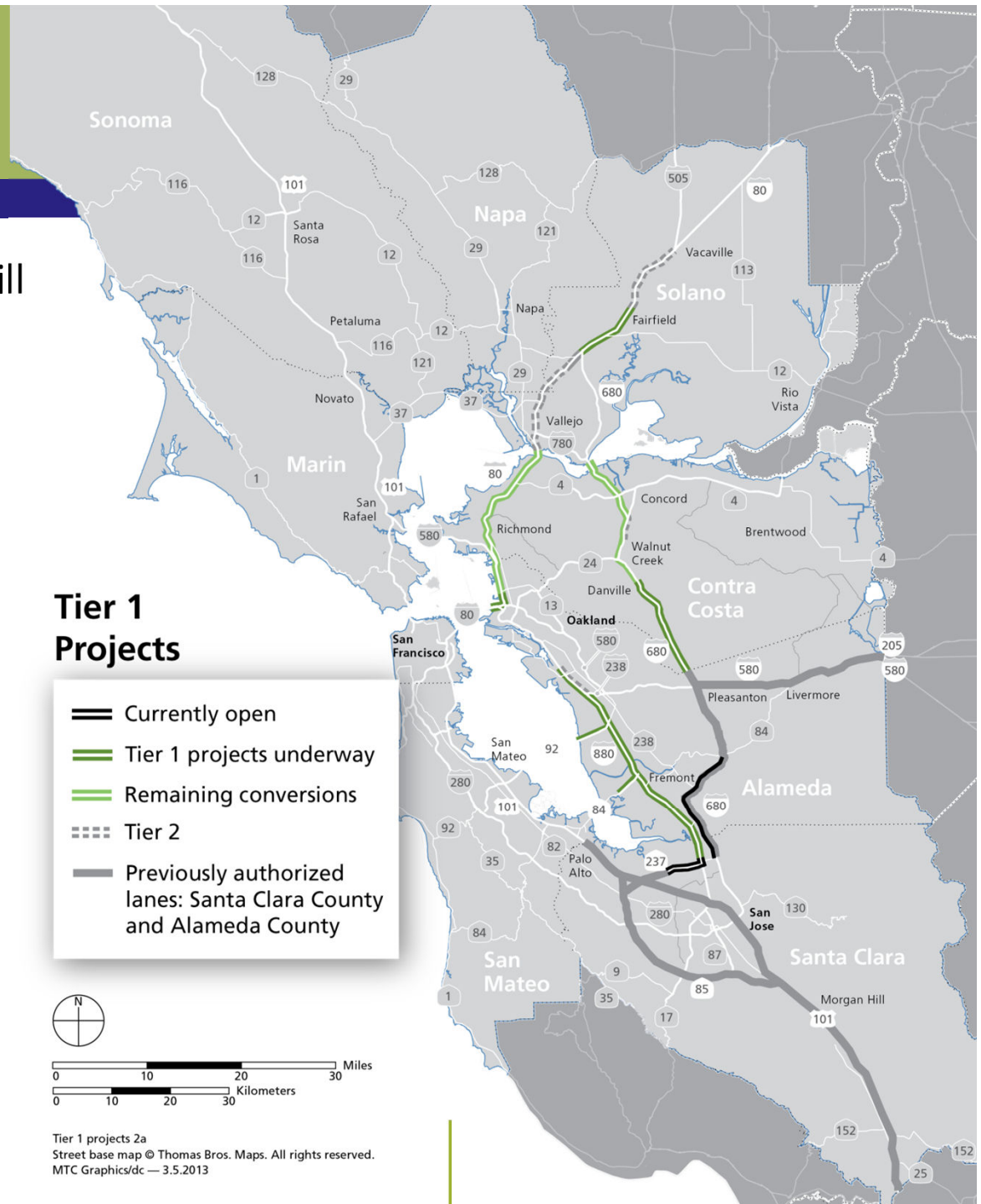
In progress

- Toll system requirements
- Environmental clearance (90 miles)

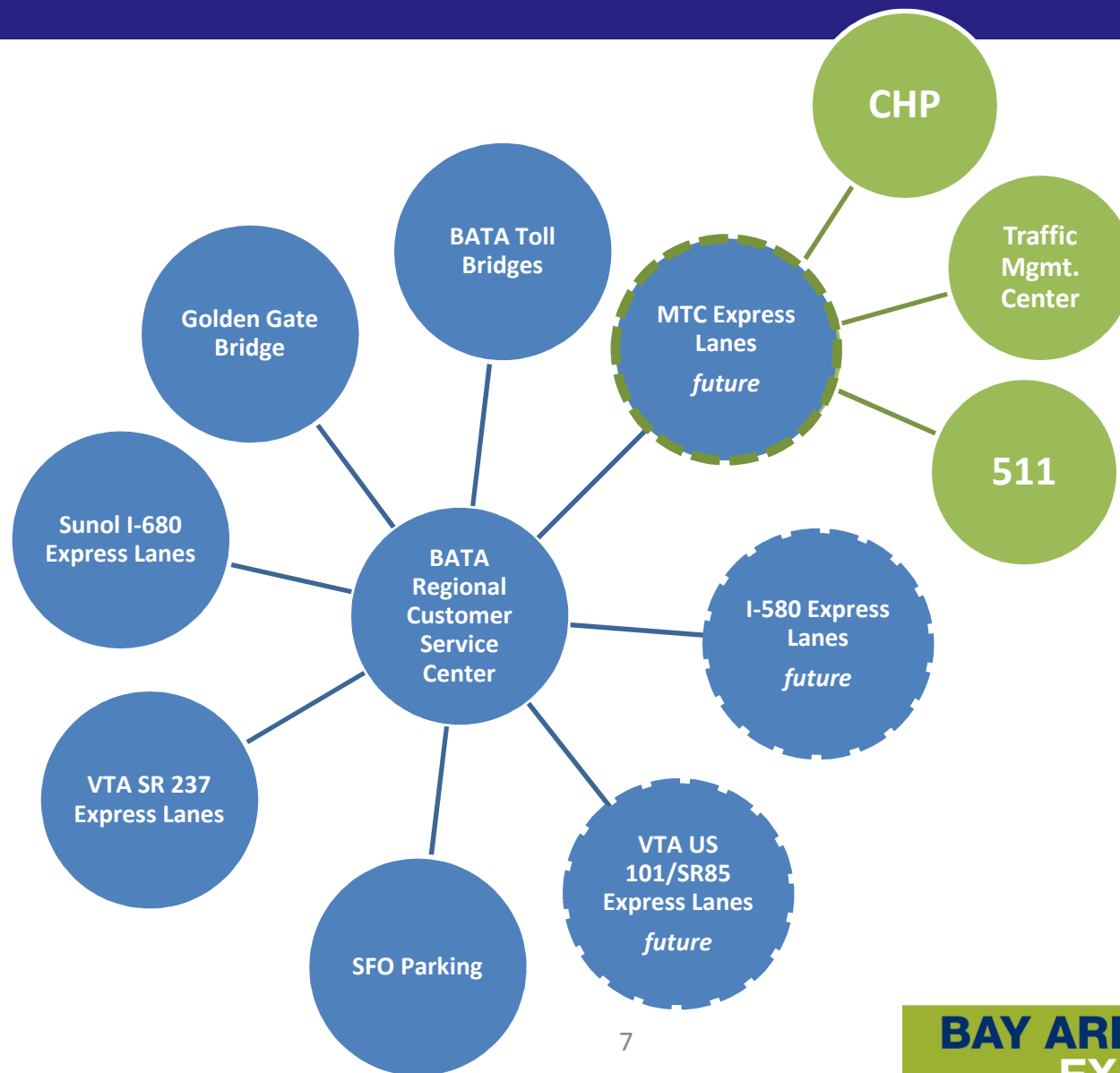
Next steps in 2013

- Toll system procurement
- Civil design
- Initiate environmental clearance on remaining 60 miles

Open first lanes in 2015-16

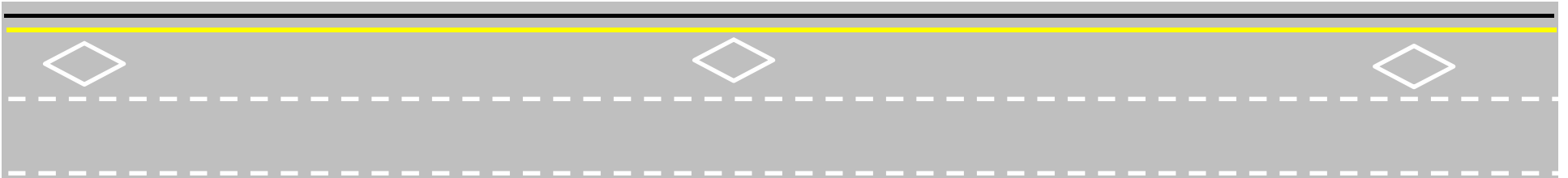


Complexity of System Architecture

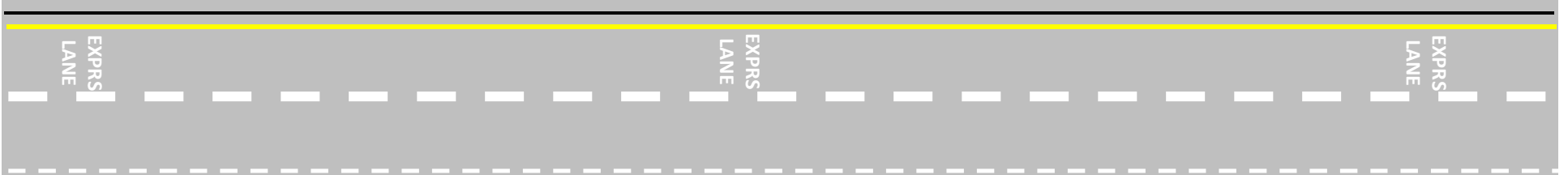


Proposed Express Lane Configuration

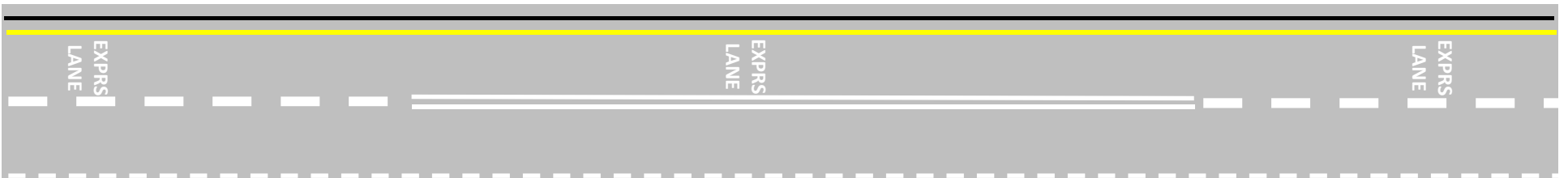
Existing HOV Lane



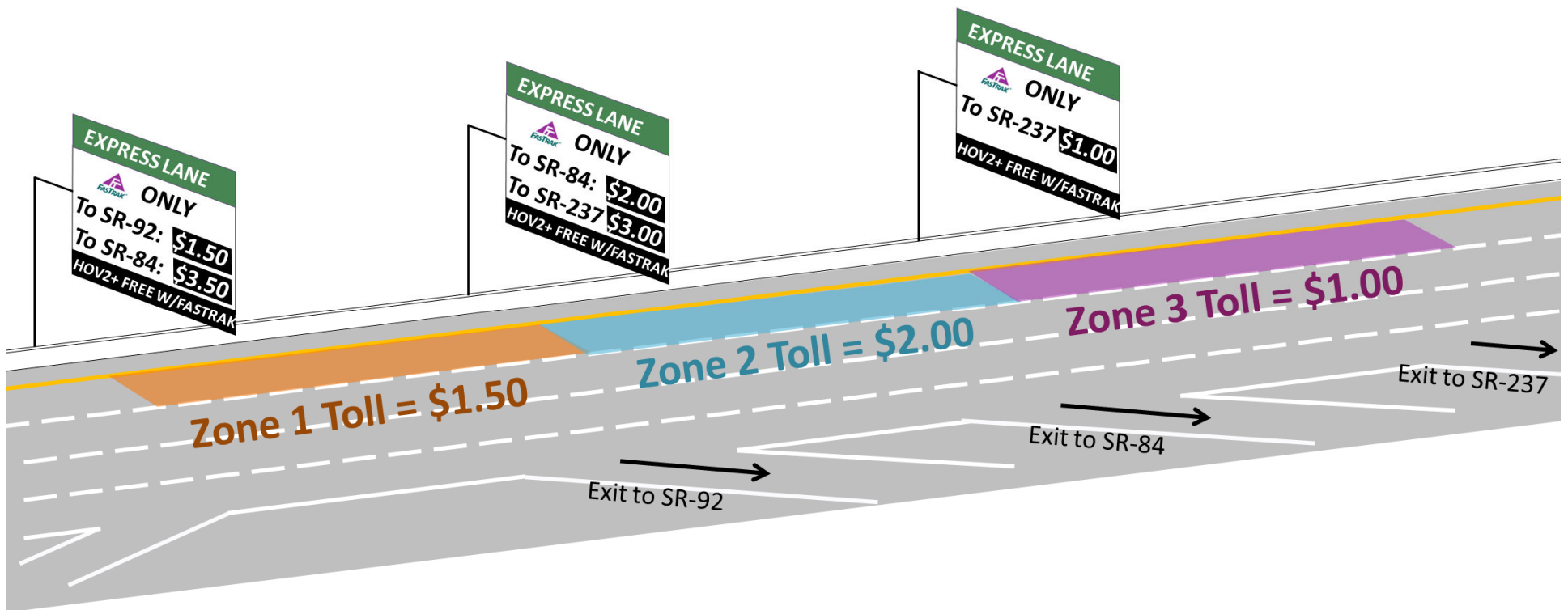
Express Lane Conversion



Express Lane Access Restriction



Zone-Based Tolling



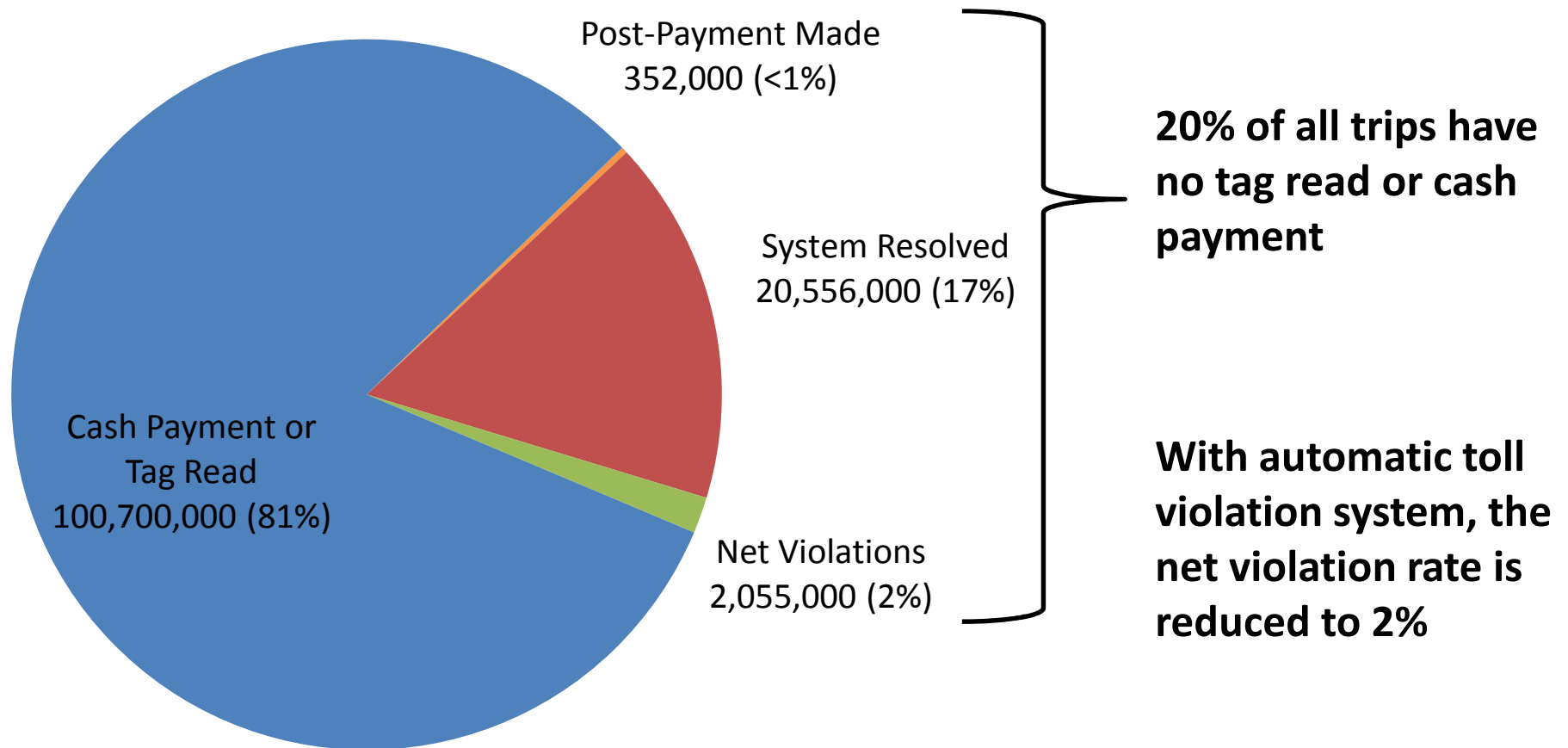
Toll Violation System

- Violation system will be similar to that in use on toll bridges today
 - Toll violations will be automatically captured through license plate cameras.
 - All vehicles, including carpools, will be required to carry a toll tag.
- Employ switchable toll tags
 - Used in LA (I-10 and I-110) and Virginia (I-495 E-Zpass® Flex™)
 - Non-HOVs can use existing FasTrak® tags
- Bay Area carpoolers already use FasTrak® for 22,000 daily trips on BATA bridges (2012)



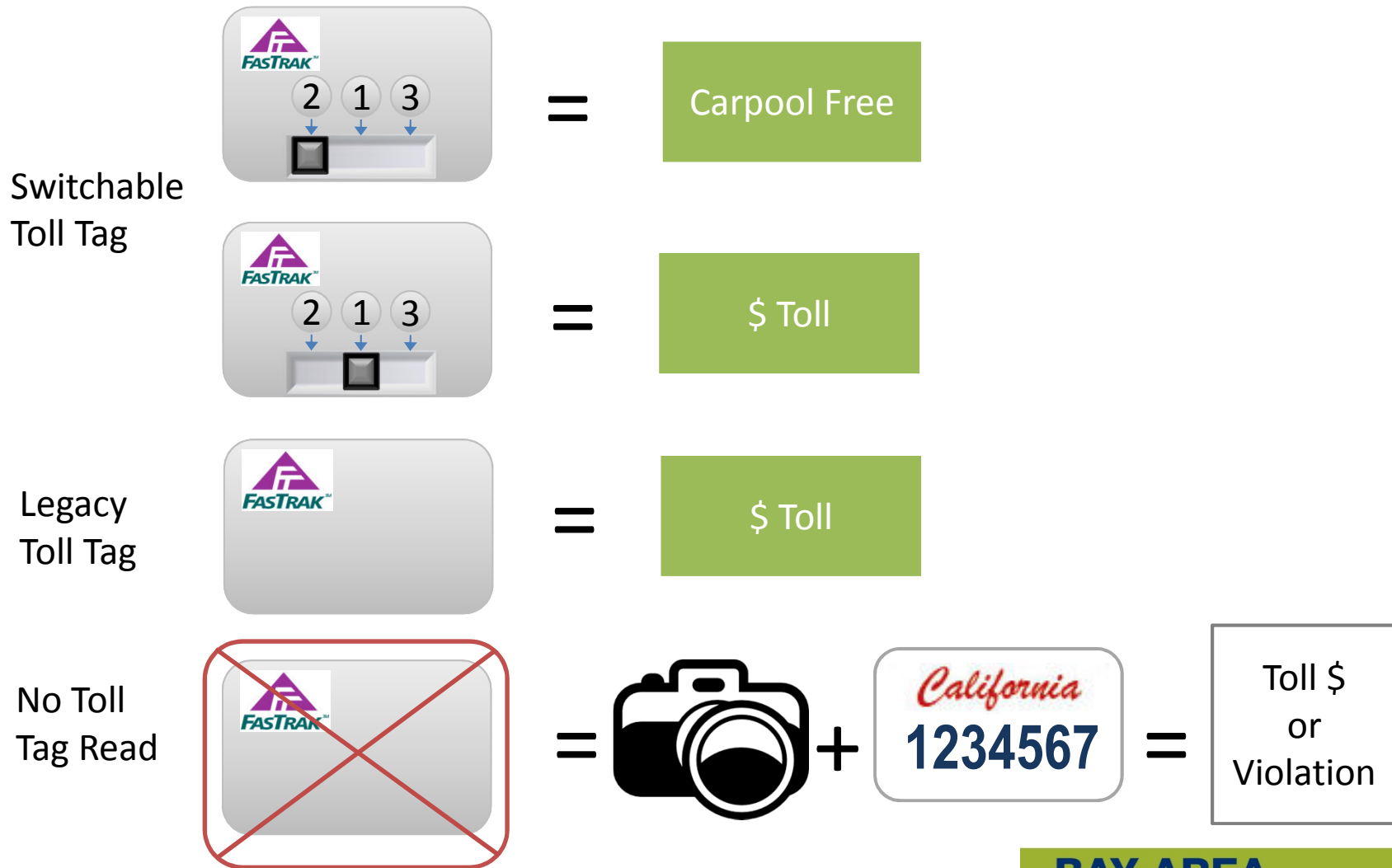
Toll Violations on BATA Bridges in FY 11-12

Total Bridge Trips: 123,667,000 (100%)

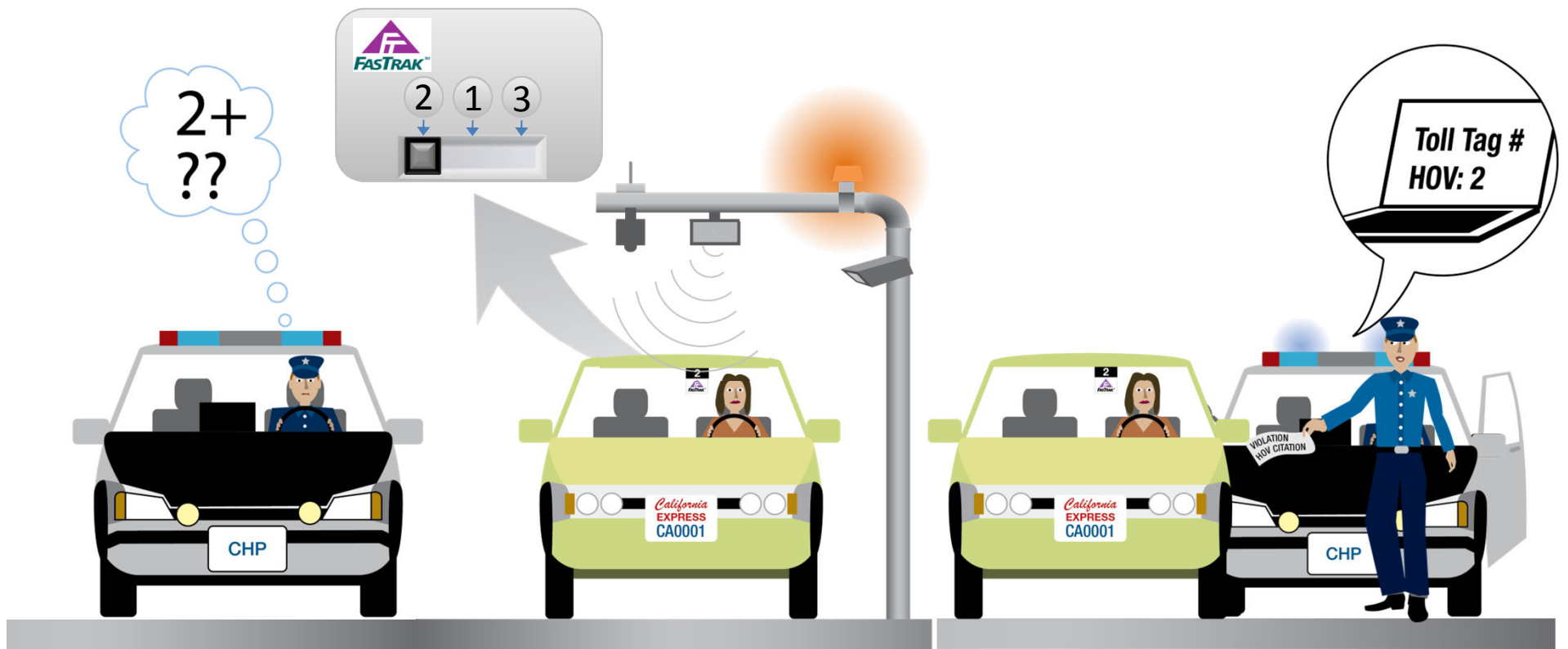


Toll Violation System with Switchable Tags

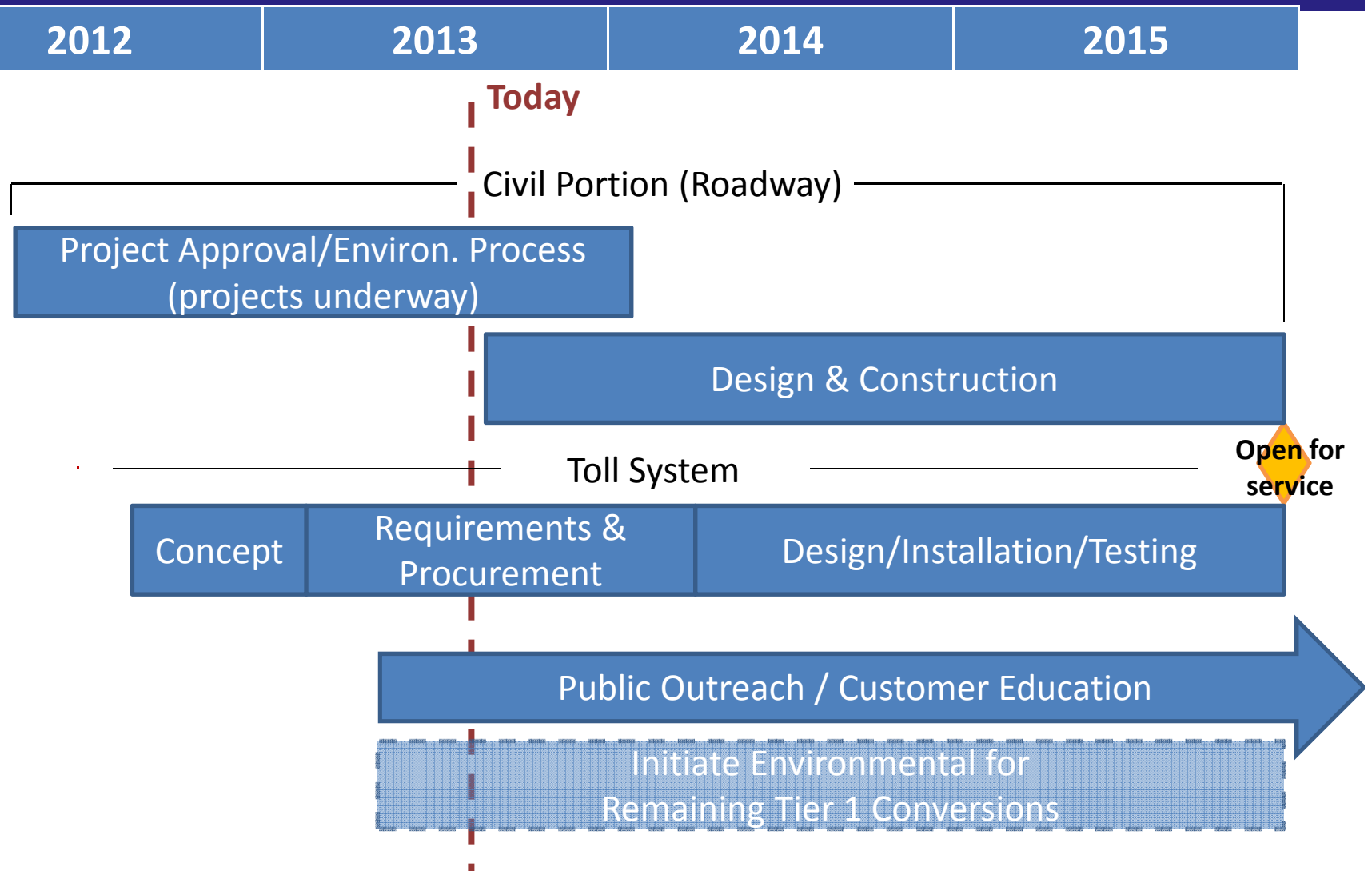
How It Works



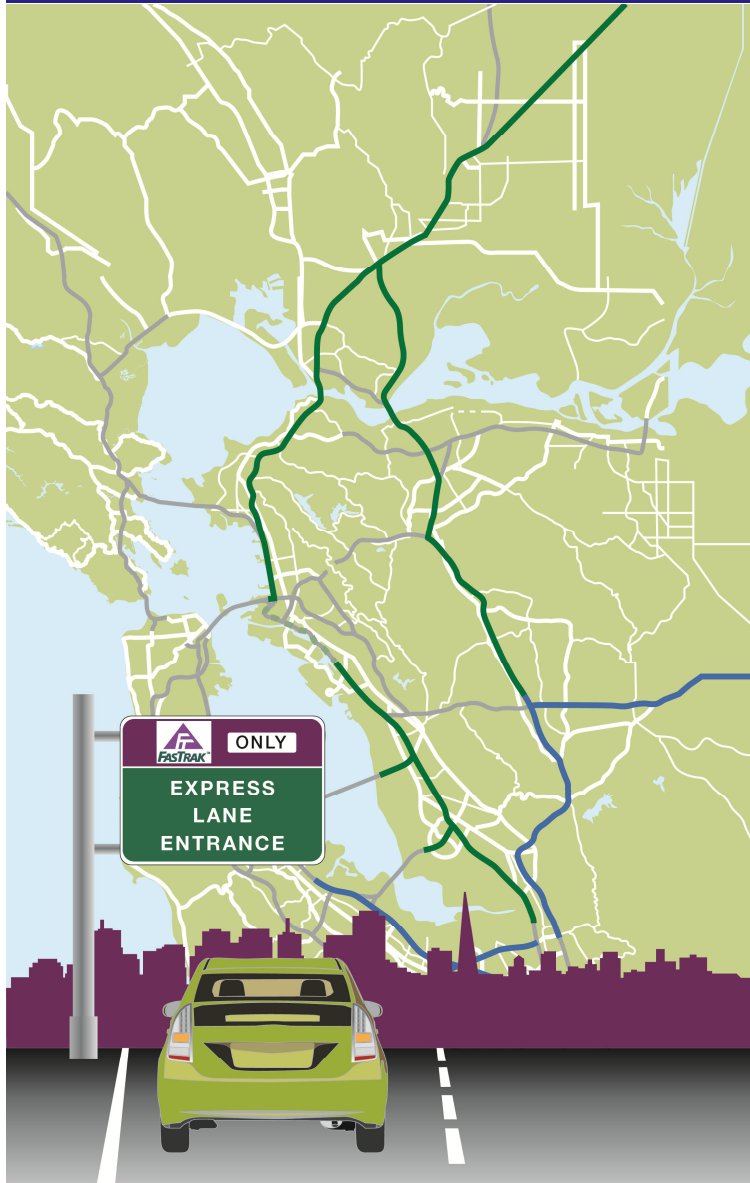
CHP Has a Role



MTC Tier 1 Timeline



Questions?



Lisa Klein

Principal

Regional Express Lane Network

510.817.5832

lklein@mtc.ca.gov